

Product datasheet

anti-CD26 mouse monoclonal, EBS-CD-019, purified

Short overview

Cat. No.	691571
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgM kappa
Clone	EBS-CD-019
Immunogen	Synthetic peptide from the amino terminal region of CD26
Formulation	PBS with 0.02% sodium azide
UniprotID	P27487 (Human)
Synonym	Dipeptidyl peptidase 4, EC 3.4.14.5, ADABP, Adenosine deaminase complexing protein 2, ADCP-2, Dipeptidyl peptidase IV, DPP IV, T-cell activation antigen CD26, TP103, CD antigen CD26 [Cleaved into: Dipeptidyl peptidase 4 membrane form, Dipeptidyl peptidase IV membrane form; Dipeptidyl peptidase 4 soluble form, Dipeptidyl peptidase IV soluble form], DPP4, ADCP2, CD26
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC, WB
Reactivity	Human

Applications

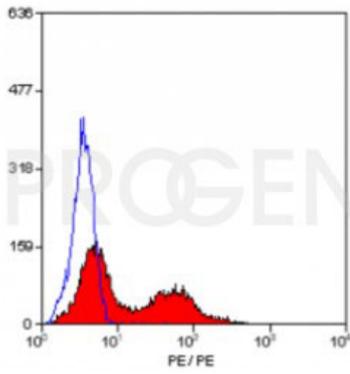
Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Western Blot (WB)	1:50-1:100 (1-2 µg/ml)

Background

EBS-CD-019 reacts with human CD26 (dipeptidyl peptidase IV), a 110 kDa protein which occurs in the cell membrane of T-lymphocyte and is upregulated after activation. CD26 is also present on endothelial cells and also expressed on inactivated B-cells and natural killer cells and abundantly on epithelia. CD26 is implicated in a variety of biological functions including T-cell activation, cell adhesion with extracellular matrix such as fibronectin or collagens, and in HIV infection.

Positive control: human PBL or tonsil.

Product images



FACS with human peripheral blood lymphocytes (PBL)